



PRO.THERM
 PROCESS AND THERMAL SYSTEMS
**STEAM GENERATION, HEAT TRANSFER
 & ENERGY CONSERVATION SPECIALISTS**

Plate & Frame Heat Exchanger Inquiry Sheet

Company:		Date:	
Address:		Inquiry No:	
		Quote No.:	
ITEM No.			
PHE-Type/Model:		Hot side	Cold side
Flowrate Liquid	(lb/hr/g.p.m.)		
Flowrate Steam or Vapor	(lb/hr)		
Inlet temperature	(°F)		
Outlet temperature	(°F)		
Pressure drop (Allow/Calc) (Allow/Calc)	(PSI)		
Heat exchanged	(Btu/h)		
Thermodynamic Properties		Fluid Name	
Inputs for Non-Std. Fluids Only	Density	(Lb/Ft ³)	
	Specific heat	(Btu/Lb*F)	
	Thermal conductivity	(Btu/h*Ft*F)	
	Mean viscosity	(cP)	
	Wall viscosity	(cP)	
LMTD	(-)		
*Excess surface area	(%)		
Design of Frame / Plates:			
Plate arrangement (passes*channel)Hot Side			
Plate arrangement (passes*channel)Cold Side			
Number of plates			
Effective Heat Transfer Surface	(Ft ²)		
Overall K-value Duty/Clean	(Btu/Ft ² *h*F)		
*Plate material			
*Gasket material			
*Maximum gasket temperature	(°F)		
*Design Pressure	(PSI)		
Approval	ASME Code		
Liquid volume	(Ft ³)		
Carry Bar Length	(Ft)		
Net weight	(Lb)		
Frame type			
*Connections HOT side			
*Connections COLD side			
E-mail:		*Notes:	
Phone:			
Cell:			
Fax:			
Please Provide Data for Topics in Shaded Cells. Starred Topics are Optional. Provide if Available.		Protherm will complete Non-Shaded Cells.	

*Attach Additional Sheets if Needed.